



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/682,142	07/26/2001	Timothy M. Sivavec	RD-28314	2727
25101	7590	09/23/2004	EXAMINER	
PHILIP D FREEDMAN PC P. O. BOX 19076 ALEXANDRIA, VA 22320			MITCHELL, KATHERINE W	
		ART UNIT		PAPER NUMBER
		3677		

DATE MAILED: 09/23/2004

Please find below and/or attached an Office communication concerning this application or proceeding.



UNITED STATES DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450

Xb

APPLICATION NO./ CONTROL NO.	FILING DATE	FIRST NAMED INVENTOR / PATENT IN REEXAMINATION	ATTORNEY DOCKET NO.
---------------------------------	-------------	---	---------------------

09/682,142

EXAMINER

ART UNIT	PAPER
----------	-------

20040913

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

The following is a replacement sheet for the Examiner's Answer mailed 11/28/2003. Appendix A, containing pending claims corrected by examiner, contained a typing error in claim 66. A corrected "Appendix A" with a correct claim 66 is attached.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Katherine W Mitchell whose telephone number is 703-305-6713. The examiner can normally be reached on Mon - Thurs 10 AM - 8 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, J. J. Swann can be reached on 703-306-4115. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kwm
9/13/2004

APPENDIX A

Corrected claims:

1. A method, comprising:

conducting a permeable-reactive barrier (PRB) treatment of a contaminated aqueous medium; and
in-well monitoring by sensing effectiveness of the PRB treatment to generate a signal representing a characteristic of the sensed effectiveness; and
in-well transmitting the signal by wireless communication to a remote collector or monitor.

57. The system of claim 56, further comprising a collector to receive the signal from the transmitter.

66. A system comprising:

a PRB zone to treat a contaminated groundwater; and
a sensor located in a monitoring well substantially along a PRB zone transect of flow of the contaminated groundwater from an up-gradient location, across the PRB zone to a down-gradient location;
wherein the transect of flow is defined by a +- 6 feet wide horizontal plane that transcribes at least one up-stream monitoring well and at least one down-stream well at a level that is +- 1 feet of an open screen interval mid point of each well.


JJ Swann
Supervisory Patent Examiner
Technology Center 3600